The U.S. Bureau of Reclamation has worked closely with Trinity County and the California Department of Fish and Game (CDFG) to develop measures for protection of the Trinity River environment and its natural resources while also allowing construction of the Salt Flat and Biggers Road Bridges. The result of this coordinated effort is the CDFG 1601 Streambed Alteration Agreement. Reclamation believes that the environmental protection measures in this Agreement have all been included in the Project's construction specifications. Both Trinity County, the California Environmental Quality Act Project Lead (the Operator), and the Contractor, will be required to sign the Streambed Alteration Agreement and to abide by its conditions. The Agreement will become effective only after CDFG completes the signature page.

A copy of the CDFG 1601 Agreement for Stream or Lake Alteration, which has been signed by Trinity County's representative, is included below:

AGREEMENT REGARDING PROPOSED STREAM OR LAKE ALTERATION

THIS AGREEMENT is entered into between the State of California, Department of Fish and Game, hereinafter referred to as the "DEPARTMENT", and Tom Stokely, representing Trinity County Planning Department, and Contractor _____, hereinafter jointly and severally referred to as the "OPERATOR".

WHEREAS, pursuant to Division 2, Chapter 6 of the California Fish and Game Code, Tom Stokely, on the 17th day of July, 2003, notified (03-5043) the DEPARTMENT that the OPERATOR intends to substantially divert or obstruct the natural flow of, or substantially change the bed, channel, or bank of, or use materials from the streambed of, the following water: Trinity River tributary to Klamath River, in the County of Trinity, State of California, Sections 13 and 32, T33N, R9W, in connection with construction of the Salt Flat and Biggers Road bridge replacement projects; and

WHEREAS, the DEPARTMENT represented by Environmental Scientists Bruce Webb and Harry Rectenwald and Fishery Biologist Neil Manji made inspections of subject area on the 16th day of January, 30th day of September, and 28th day of October, 2003, and determined that without implementation of the mitigation measures contained within this agreement, such operations may substantially adversely affect existing fish and wildlife resources including: Coho salmon, proposed for listing under CESA as a threatened species, steelhead, a California species of special concern, spring-run Chinook salmon, a California species of special concern, resident trout, other fish species, willow fly catcher and other avian species, Northwestern pond turtle and other reptiles, yellow legged frog and other amphibians, and aquatic macro-invertebrates; and

WHEREAS, such resources would likely be adversely affected by downstream sedimentation, release of pollutants, alteration of spawning, resting and rearing habitats, and other impacts generated by construction activities within and adjacent to the stream channel and banks. Turbidity and sedimentation alter water chemistry and temperature, stimulate invertebrate drift, smother gravels and vegetation, fill pools, and cause direct impacts to downstream aquatic species. Construction activities would include the excavation of the stream banks and stream terrace adjacent to the stream banks, the placement of diversion structures within the channel, the placement of rock slope protection within the channel and banks, the placement of spawning sized gravel within the channel and fill within the flood plain, and the exposure of erodible soils adjacent to the stream channel. Petroleum fuels and lubricants imported to the site could adversely impact aquatic resources if released into the stream. Stream temperatures could be elevated and stream banks de-stabilized if excessive riparian vegetation is removed.

THEREFORE, the DEPARTMENT hereby proposes measures to protect fish and wildlife during the OPERATOR'S work. The OPERATOR hereby agrees to accept the following recommendations as part of his/her work: Numbers 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 16, 18, 20, 21, and 22 from the list of "Standard Recommendations" included in this document, and the following special recommendations:

A. OPERATOR'S notification, together with all maps, photographs, drawings, and all other

supporting documents submitted with notification to describe the activity, are hereby incorporated by reference into this agreement. The County of Trinity is the Lead agency pursuant to the California Environmental Quality Act (CEQA) for a Final Environmental Impact Report (Final EIR) for the Trinity River Bridges Project, State Clearinghouse No. 20022042074. All mitigation measures of the Final EIR which may pertain to work within and adjacent to the channel and banks shall become conditions of this agreement and are incorporated herein by reference. The National Marine Fisheries Service has issued a Biological Opinion on the Trinity River Bridges Project dated July 11, 2003 (Biological Opinion). All measures outlined in the Biological Opinion to avoid or minimize impacts to coho salmon shall become conditions of this Agreement. OPERATOR shall install spawning exclusion mats as directed by the Department prior to commencement of construction activities and prior to high flows which may be scheduled. OPERATOR shall conduct project activities as described in the notification and referenced supporting documents, unless such activities are modified by the provisions of this agreement, in which case, this agreement shall have precedence and the activities shall be conducted as described in this agreement.

B. CONSTRUCTION TIMING AND PROTECTIVE MEASURES : **All work within the actively flowing river channel** (both above and below the ordinary high water mark) shall be confined to the period commencing **April 15** and ending **September 15**, of any year in which this agreement is valid, provided coho salmon life stages that may be developing in the gravel (see page 5-3 of the Biological Assessment dated March 12, 2003) are protected as follows: At construction areas in the live stream scheduled for use during the period April 15 to May 15, install exclusionary devices (anti-spawning mat) on or before December 15, 2003 to exclude adult salmon from digging and spawning in gravels usable for spawning. If the construction area in the live stream will not be used until after May 15 no exclusionary devices are required to protect life stages in the gravel. The spawning riffles requiring placement of anti-spawning mat that are within potential instream work areas are identified in Exhibit A for the Salt Flat and Biggers Road bridge sites.

Earthwork outside the flowing river but below the FEMA 100 year base flood elevation, including earthwork within the stream banks or adjacent riparian zone, shall be confined to the period commencing **April 15** and ending **October 15** of any year in which this agreement is valid. Exceptions to this earthwork period restriction shall be made for earthwork activities listed in **"Exceptions for earthwork activities"** below, provided the indicated protective measures are put in place. All other work outside the flowing river but below the FEMA 100 year base flood elevation (such as road surfacing, cement work, conduit installation, etc.) may be undertaken at any time provided that, from October 16 to April 14, Best Management Practices (BMP's) for erosion and sedimentation control, as described in this agreement, the Storm Water and Pollution Prevention Plan and the Biological Opinion and its amendments, are available at all times and are implemented at the end of each day and during any rainfall event, and from April 15 to October 15 are implemented upon forecast of and during any rainfall event.

Throughout all construction activities, BMP's for erosion and sedimentation control, as described in this agreement, the Storm Water and Pollution Prevention Plan and the Biological Opinion and its amendments, will be implemented to minimize the potential for rainfall runoff and/or high-flow

events to mobilize and transport sediment to the Trinity River.

Vegetation clearing for work areas within the 100 year flood plain and riparian zone shall be **completed by March 1, and shall not recommence until August 16**, of any year in which this agreement is valid, to prevent impacts to nesting birds, unless evidence that impacts will not result from such clearing is submitted to and approved by the Department.

Contractors shall be given 48 hours notice prior to Safety of Dam releases from Lewiston Dam by the Operator and the contractor shall remove all potential hazardous and polluting materials from the channel, banks and floodplain (e.g., fuel, petroleum materials, equipment, materials in settling ponds, etc.) prior to inundation by increased flows.

Exceptions for earthwork activities:

Within the zone between Trinity River flowing waters and the FEMA 100 year base flood elevation, work is allowed from October 15 to April 15 of any year in which this agreement is valid, as follows:

Earthwork (excavation, grading, and restoration) may be performed in the following work areas so long as these areas are isolated from potential flood waters in accordance with the contractor's Storm Water and Pollution Prevention Plan, the Biological Opinion, and the Best Management Practices and Erosion and Sediment Control provisions of this agreement.

Biggers Road: All staging areas
The new bridge abutments
Pier structure
Existing bridge, piers and abutments
Existing roadway
New bridge and roadway alignment

Salt Flat: All staging areas
Mid-channel island work platform(s)
The detour road
The new bridge abutments
New bridge and roadway alignment
Pier structure
Existing bridge, piers and abutments
Existing roadway

Best Management Practices to isolate the contractor's work and to stop mobilization of earth materials, are likely to include, but not be limited to: silt fences, vegetative practices, structural controls (e.g., earthen berms and swales), straw bale dikes, etc. The indicated protective measures shall be in place and operational at the end of each construction day for all work subject to this agreement undertaken between October 15 and April 15, at all times regardless of date if

rain is forecast, and during all rainfall events. The indicated protective measures shall be maintained until disturbed ground surfaces have been successfully revegetated and the threat of erosion and sedimentation has abated.

C. FLOWS DURING CONSTRUCTION IN THE LIVE STREAM: All removable temporary structures, such as work platforms and fords used in the flowing river, will be constructed so as to withstand the flow regime that may be present during the instream construction period as determined by the Trinity River Management Council as authorized in the Record of Decision detailed in Exhibit B (according to water year type) and modified by any subsequent litigation. For reference, the actual releases from the dam prescribed by the Trinity Management Council under the existing institutional and legal conditions include a high flow release of 6,000 cfs for a 3 day period in May (see flow records for 2002) and a habitat flow release during the period May to July of 2,000 cfs (see flow records for 2003). Under the existing litigation the 6,000 cfs spring flow and the 2,000 cfs late spring-early summer flow will not occur in the same year because judicial action holds the total volume to a dry year designation. The flow prescribed by the Trinity Management Council for 2004 will be unknown until April of 2004. The Final EIR did not examine the potential effects of flow limitations resulting from construction activity, thus the construction activity cannot impact the flow regime that is prescribed for beneficial purposes of the project as well as the science program objectives for adaptive management.

D. PETROLEUM/CHEMICAL AND OTHER POLLUTION: Staging, storage, and re-fueling areas for machinery, equipment, and materials shall be located outside of the stream. No equipment shall be operated within the flowing stream, except as provided in this agreement. Any equipment or vehicles driven and/or operated within or adjacent to the stream shall be checked and maintained daily to prevent leaks of materials that, if introduced to water, could be deleterious to aquatic life, wildlife, or riparian habitat. Stationary equipment such as motors, pumps, generators, and welders located within or adjacent to the stream shall be positioned over drip pans. The clean-up of all petroleum and/or chemical spills shall begin immediately. The DEPARTMENT shall be notified immediately by OPERATOR of any spills and shall be consulted regarding clean-up procedures. Any spills shall be reported to the Department's Region 1 Headquarters at 601 Locust Street, phone (530) 225-2300, **AND** to the Office of Emergency Services, at phone (800) 852-7550 or (916) 845-8911, and by calling 911.

E. EROSION AND SEDIMENT CONTROL: The project shall feature adequate erosion and sediment control devices and protective measures to prevent the degradation of water quality. The indicated devices and protective measures shall be in place and operational at the end of each construction day for all work subject to this agreement undertaken between October 15 and April 15, at all times regardless of date if rain is forecast, and during all rainfall events. OPERATOR shall properly install and maintain sediment barriers (including but not limited to filter fabric fencing and rice straw wattles, and standard Best Management Practices) capable of preventing runoff of sediments, muddy, turbid, or silt-laden waters into the stream channel. Said devices shall be cleaned of all trapped sediment as necessary to maintain proper function. Recovered sediment shall be disposed of where it shall not return to the waters of the State. Said devices shall be completely removed from the channel, along with all temporary fills, upon completion of operations. Soils adjacent to the stream channel that are exposed by project operations shall be

adequately stabilized when rainfall is reasonably expected during construction, and immediately upon completion of construction, to prevent the mobilization of such sediment into the stream channels. Mulches shall be applied so that not less than 90% of the disturbed areas are covered. All mulches (except hydro-mulch) shall be applied in a layer not less than two inches deep. All mulches shall be kneaded or tracked-in with track marks parallel to the contour, and tackified as necessary to prevent excessive movement. Seeding of exposed soils and fills shall consist of a mix of native grasses common to the area, applied at a rate which will ensure establishment.

No machinery shall be operated in the flowing stream except as expressly provided in the Notification and approved plans. If construction operations require the movement of machinery across a flowing stream, it shall be conducted without substantially increasing stream turbidity.

Upon DEPARTMENT determination that sedimentation/turbidity levels resulting from project related activities constitute a threat to aquatic life, activities associated with the sedimentation/turbidity shall be halted until effective DEPARTMENT approved control devices are installed, or abatement procedures are initiated.

F. STRUCTURES, FILLS AND ROCK SLOPE PROTECTION: Completed culvert pipe installations shall result in water flow that is neither impeded nor impounded at the pipe inlet, nor accelerated down stream of the crossing structure. All culvert outfall structures shall be properly aligned within the stream and shall be otherwise designed, sized, installed, and maintained year round to assure resistance to washout and erosion of the stream bed, stream banks, and/or fill. Culvert sizing shall be based on flows calculated for the 100 year rainfall/dam release event for the drainage, and factors shall include culvert capacity loss from placement of the culvert pipe bottom below stream bed grade, transportation of bed load, and the abundance and size of woody debris likely to be introduced to the stream upstream of the culvert crossing. If bedrock or hardpan prevents the proper placement of any culvert invert below existing stream bed elevation, OPERATOR shall properly install a bottomless arch pipe.

Large rocks and woody debris shall be removed from the crossing fill area. Both the culvert foundation and the trench walls shall be free of logs, stumps, limbs, and rocks that could damage the pipe, or subsequently cause seepage of flow around the outside of the culvert pipe.

Backfill material shall be free of large rocks, limbs, or other debris that could damage the pipe. Culvert ends shall extend beyond the toe of the fill. Fill placed in the channel shall not exceed the minimum necessary to construct the outfall pipe. The exposed fill material placed within the channel shall be armored with clean rock slope protection (RSP) from below the toe of the fill to the top of the culvert to prevent erosion of the fill. Soil fill within the channel above the top of the culvert shall not exceed a slope of 1.5H:1V and shall be stabilized with seed and mulch or light-facing rip-rap.

RSP materials shall consist of clean rock, competent for the application, sized and properly installed to resist washout. RSP slopes shall be supported with competent boulders adequately keyed into place or buttressed in compliance with the Biological Opinion. RSP slopes and footing trenches shall feature an underlayment of appropriate grade geo-textile fabric to protect fill from

tractive forces.

Any road surfaces which drain toward the stream shall feature rolling dips which drain onto stable or stabilized areas that will resist erosion of sediment into the stream. The road surface shall be paved with rock sufficiently to prevent the introduction of sediment from the road surface into the stream. Exposed, erodible fill along any new road that drains toward the stream shall be stabilized with seed and mulched in accordance with Paragraph "E" above.

All fills for equipment crossings, work lay-down areas and flow diversions or other purposes placed on the streambeds and/or stream banks shall consist of spawning sized gravel meeting the gradation, cleanliness and durability specifications of the Final EIR.

G. CHANNEL RESTORATION: If a stream channel has been altered during the operations, its low flow channel shall be returned as nearly as possible to its natural state without creating a possible future bank erosion problem or a flat, wide channel. The gradient of the streambed shall be as nearly as possible the same gradient as existed prior to disturbance. Gravel fills and other grade changes shall be removed, mechanically spread, or may be allowed to naturally spread, as approved by the DEPARTMENT'S Biologist.

H. WILD AND SCENIC RIVER DESIGNATION: The Trinity River is designated as a wild and scenic river pursuant to the California Wild and Scenic Rivers Act. The Secretary for Resources must make a determination of the project's consistency with the Act. Confirmation from the Resources Agency of Project Approval pursuant to Sections 5093.50 and 5093.69 of the Public Resources Code must be received by the Operator prior to start of operations.

STANDARD RECOMMENDATIONS

1. Disturbance or removal of vegetation shall not exceed the minimum necessary to complete operations. The disturbed portions of any stream channel or lake margin within the high water mark of the stream or lake shall be restored to as near their original condition as possible.

2. Restoration shall include the revegetation of areas stripped or exposed by project activities.

3. Rock, riprap, or other erosion protection shall be placed in areas where vegetation cannot reasonably be expected to become reestablished.

4. Installation of bridges, culverts, or other structures shall be such that water flow is not impaired and upstream or downstream passage of fish is assured at all times. Bottoms of temporary culverts shall be placed at or below stream channel grade. Bottoms of permanent culverts shall be placed below stream channel grade.

5. Plans for design of concrete sills and other features that could potentially impede fish migrations must be approved by Department engineers.

6. When any dam (any artificial obstruction) is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream to maintain fish life below the dam in a healthy condition.

7. An adequate fish passage facility must be incorporated into any barrier that obstructs fish passage.

8. Any temporary dam (any artificial obstruction) constructed shall only be built from material such as clean gravel which will cause little or no siltation.

9. No equipment will be operated in live stream channels.

10. Equipment shall not be operated in the stream channels of flowing live streams except as may be necessary to construct crossings or barriers and fills at channel changes.

11. When work in a flowing stream is unavoidable, the entire stream flow shall be diverted around the work area by a barrier, temporary culvert, and/or a new channel capable of permitting upstream and downstream fish movement. Construction of the barrier and/or new channel shall normally begin in the downstream area and continue in an upstream direction, and the flow shall be diverted only when construction of the diversion is completed. Channel bank or barrier construction shall be adequate to prevent seepage into or from the work area. Channel banks or barriers shall not be made of earth or other substances subject to erosion unless first enclosed by sheet piling, riprap, or other protective material. The enclosure and the supportive material shall be removed when the work is completed and the removal shall normally proceed from downstream in an upstream direction.

12. Temporary fill shall be constructed of non-erodible materials and shall be removed immediately upon work completion.

13. Equipment shall not be operated in the lake or its margin except during excavation and as may be necessary to construct barriers or fills. If work in the lake is unavoidable, a curtain enclosure to prevent siltation of the lake beyond the immediate working area shall be installed. The enclosure and any supportive material shall be removed when the work is completed.

14. Silt settling basins shall be located away from the stream or lake to prevent discolored, silt-bearing water from reaching the stream or lake.

15. Preparation shall be made so that runoff from steep, erodible surfaces will be diverted into stable areas with little erosion potential. Frequent water checks shall be placed on dirt roads, cat tracks, or other work trails to control erosion.

16. Wash water containing mud or silt from aggregate washing or other operations shall not be allowed to enter a lake or flowing streams.

17. a) A silt catchment basin shall be constructed across the stream immediately below the project site. This catchment basin shall be constructed of gravel which is free from mud or silt.

b) Upon completion of the project and after all flowing water in the area is clear of turbidity, the gravel along with the trapped sediment shall be removed from the stream.

18. If operations require moving of equipment across a flowing stream, such operations shall be conducted without substantially increasing stream turbidity. For repeated crossings, the OPERATOR shall install a bridge, culvert, or rock-fill crossing as specified in comments below.

19. If a stream channel has been altered during the operations, its low flow channel shall be returned as nearly as possible to its natural state without creating a possible future bank erosion problem, or a flat wide channel or sluice-like area. If a lake margin has been altered, it shall be returned as nearly as possible to its natural state without creating a future bank erosion problem. The gradient of the streambed or lake margin shall be as nearly as possible the same gradient as existed prior to disturbance.

20. Structures and associated materials not designed to withstand high seasonal flows shall be removed to areas above the high water mark before such flows occur.

21. No debris, soil, silt, bark, slash, sawdust, rubbish, cement or concrete or washings thereof, oil, or petroleum products or other organic or earthen material from any logging, construction, or associated activity of whatever nature shall be allowed to enter into or placed where it may be washed by rainfall or runoff into, waters of the State. When operations are completed, any excess materials or debris shall be removed from the work area. No rubbish shall be deposited within 150 feet of the high water mark of any stream or lake.

22. The OPERATOR will notify the Department of Fish and Game of the date of commencement of operations and the date of completion of operations at least five days prior to such completion.

The OPERATOR, as designated by the signatures on this agreement, shall be jointly and severally liable and responsible for execution of all elements of this agreement. A copy of this agreement must be provided to the Contractor and all subcontractors and must be in the possession of the Contractor and all subcontractors at the work site.

If the OPERATOR'S project work changes from that stated in the notification and agreement specified above, OPERATOR shall submit a new notification, or a request for an amendment to the agreement, to the Department of Fish and Game, along with the appropriate fees, prior to commencement of such work. Failure to comply with the provisions of this agreement and with other pertinent code sections including, but not limited to, Fish and Game Code sections 5650, 5652, 5901, and 5948, may result in prosecution.

Nothing in this agreement authorizes the OPERATOR to trespass on any land or property, nor does it relieve the OPERATOR of responsibility for compliance with applicable federal, state, or local laws or ordinances. OPERATOR shall guarantee access to the DEPARTMENT at all times to inspect the project for compliance with the provisions of this agreement.

THIS AGREEMENT IS NOT INTENDED AS AN APPROVAL OF A PROJECT OR OF

SPECIFIC PROJECT FEATURES BY THE DEPARTMENT OF FISH AND GAME. INDEPENDENT REVIEW AND RECOMMENDATIONS WILL BE PROVIDED BY THE DEPARTMENT AS APPROPRIATE ON THOSE PROJECTS WHERE LOCAL, STATE, OR FEDERAL PERMITS OR OTHER ENVIRONMENTAL REPORTS ARE REQUIRED.

This agreement becomes effective on the date signed by the DEPARTMENT representative, and is valid through December 31, 2005.

_____
Contractor

_____
Title

_____
Date

Tom Hafely
_____
OPERATOR

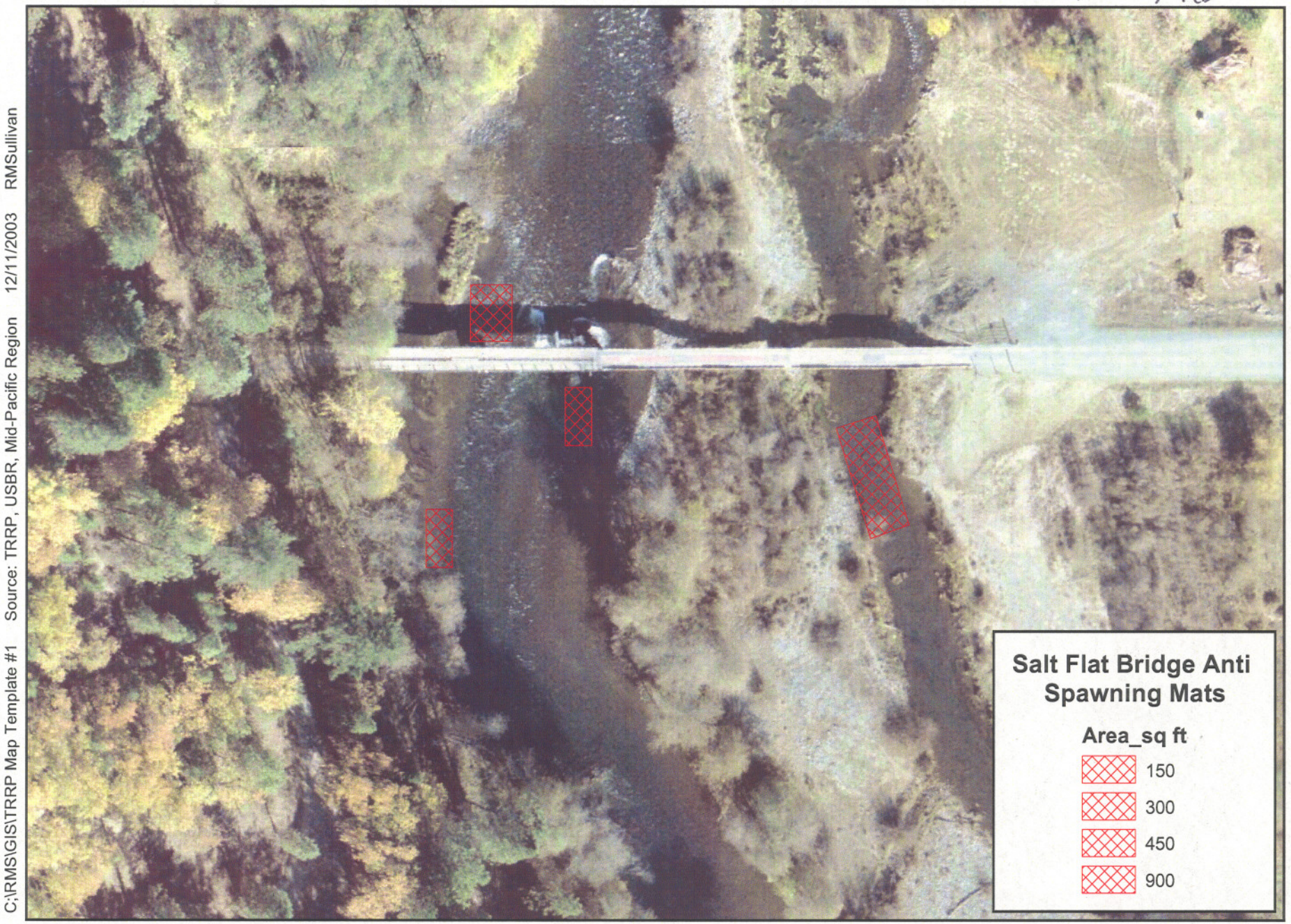
Principal Planner/Trinity Co. Planning Dept.
_____
TITLE/ORGANIZATION

_____
Date

DONALD B. KOCH
Regional Manager
Northern California and North Coast Region

_____
Date

EXHIBIT A(6)



C:\RMS\GIS\TRRP Map Template #1 Source: TRRP, USBR, Mid-Pacific Region 12/11/2003 RMSullivan

Trinity River Restoration Program
P.O. Box 1300, 1313 South Main St
Weaverville, CA 96093
Tel: (530) 623-1800; Fax:(530) 623-5944

N

30 15 0 30 60 90 120 Feet

Figure 1. Approximate size and location of anti-spawning mats required by California Department of Fish and Game (DFG), 1601 Permit at Salt Flat Bridge Construction Site. Installed on 11 December 2003

EXHIBIT A(2)

Trinity River Restoration Program
P.O. Box 1300, 1313 South Main St
Weaverville, CA 96093
Tel: (530) 623-1800; Fax:(530) 623-5944

N

25 12.5 0 25 50 75 100 Feet

Figure 1. Approximate size and location of anti-spawning mats required by California Department of Fish and Game (DFG), 1601 Permit at Biggers Road Construction Site. To be installed by 15 December 2003.

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
1-Oct	450	450	450	450	450	450
2-Oct	450	450	450	450	450	450
3-Oct	450	450	450	450	450	450
4-Oct	450	450	450	450	450	450
5-Oct	450	450	450	450	450	450
6-Oct	450	450	450	450	450	450
7-Oct	450	450	450	450	450	450
8-Oct	450	450	450	450	450	450
9-Oct	450	450	450	450	450	450
10-Oct	450	450	450	450	450	450
11-Oct	450	450	450	450	450	450
12-Oct	450	450	450	450	450	450
13-Oct	450	450	450	450	450	450
14-Oct	450	450	450	450	450	450
15-Oct	450	450	450	450	450	450
16-Oct	300	300	300	300	300	300
17-Oct	300	300	300	300	300	300
18-Oct	300	300	300	300	300	300
19-Oct	300	300	300	300	300	300
20-Oct	300	300	300	300	300	300
21-Oct	300	300	300	300	300	300
22-Oct	300	300	300	300	300	300
23-Oct	300	300	300	300	300	300
24-Oct	300	300	300	300	300	300
25-Oct	300	300	300	300	300	300
26-Oct	300	300	300	300	300	300
27-Oct	300	300	300	300	300	300
28-Oct	300	300	300	300	300	300
29-Oct	300	300	300	300	300	300
30-Oct	300	300	300	300	300	300
31-Oct	300	300	300	300	300	300
1-Nov	300	300	300	300	300	300
2-Nov	300	300	300	300	300	300
3-Nov	300	300	300	300	300	300
4-Nov	300	300	300	300	300	300
5-Nov	300	300	300	300	300	300
6-Nov	300	300	300	300	300	300
7-Nov	300	300	300	300	300	300
8-Nov	300	300	300	300	300	300
9-Nov	300	300	300	300	300	300
10-Nov	300	300	300	300	300	300
11-Nov	300	300	300	300	300	300
12-Nov	300	300	300	300	300	300

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
13-Nov	300	300	300	300	300	300
14-Nov	300	300	300	300	300	300
15-Nov	300	300	300	300	300	300
16-Nov	300	300	300	300	300	300
17-Nov	300	300	300	300	300	300
18-Nov	300	300	300	300	300	300
19-Nov	300	300	300	300	300	300
20-Nov	300	300	300	300	300	300
21-Nov	300	300	300	300	300	300
22-Nov	300	300	300	300	300	300
23-Nov	300	300	300	300	300	300
24-Nov	300	300	300	300	300	300
25-Nov	300	300	300	300	300	300
26-Nov	300	300	300	300	300	300
27-Nov	300	300	300	300	300	300
28-Nov	300	300	300	300	300	300
29-Nov	300	300	300	300	300	300
30-Nov	300	300	300	300	300	300
1-Dec	300	300	300	300	300	300
2-Dec	300	300	300	300	300	300
3-Dec	300	300	300	300	300	300
4-Dec	300	300	300	300	300	300
5-Dec	300	300	300	300	300	300
6-Dec	300	300	300	300	300	300
7-Dec	300	300	300	300	300	300
8-Dec	300	300	300	300	300	300
9-Dec	300	300	300	300	300	300
10-Dec	300	300	300	300	300	300
11-Dec	300	300	300	300	300	300
12-Dec	300	300	300	300	300	300
13-Dec	300	300	300	300	300	300
14-Dec	300	300	300	300	300	300
15-Dec	300	300	300	300	300	300
16-Dec	300	300	300	300	300	300
17-Dec	300	300	300	300	300	300
18-Dec	300	300	300	300	300	300
19-Dec	300	300	300	300	300	300
20-Dec	300	300	300	300	300	300
21-Dec	300	300	300	300	300	300
22-Dec	300	300	300	300	300	300
23-Dec	300	300	300	300	300	300
24-Dec	300	300	300	300	300	300
25-Dec	300	300	300	300	300	300

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
26-Dec	300	300	300	300	300	300
27-Dec	300	300	300	300	300	300
28-Dec	300	300	300	300	300	300
29-Dec	300	300	300	300	300	300
30-Dec	300	300	300	300	300	300
31-Dec	300	300	300	300	300	300
1-Jan	300	300	300	300	300	300
2-Jan	300	300	300	300	300	300
3-Jan	300	300	300	300	300	300
4-Jan	300	300	300	300	300	300
5-Jan	300	300	300	300	300	300
6-Jan	300	300	300	300	300	300
7-Jan	300	300	300	300	300	300
8-Jan	300	300	300	300	300	300
9-Jan	300	300	300	300	300	300
10-Jan	300	300	300	300	300	300
11-Jan	300	300	300	300	300	300
12-Jan	300	300	300	300	300	300
13-Jan	300	300	300	300	300	300
14-Jan	300	300	300	300	300	300
15-Jan	300	300	300	300	300	300
16-Jan	300	300	300	300	300	300
17-Jan	300	300	300	300	300	300
18-Jan	300	300	300	300	300	300
19-Jan	300	300	300	300	300	300
20-Jan	300	300	300	300	300	300
21-Jan	300	300	300	300	300	300
22-Jan	300	300	300	300	300	300
23-Jan	300	300	300	300	300	300
24-Jan	300	300	300	300	300	300
25-Jan	300	300	300	300	300	300
26-Jan	300	300	300	300	300	300
27-Jan	300	300	300	300	300	300
28-Jan	300	300	300	300	300	300
29-Jan	300	300	300	300	300	300
30-Jan	300	300	300	300	300	300
31-Jan	300	300	300	300	300	300
1-Feb	300	300	300	300	300	300
2-Feb	300	300	300	300	300	300
3-Feb	300	300	300	300	300	300
4-Feb	300	300	300	300	300	300
5-Feb	300	300	300	300	300	300
6-Feb	300	300	300	300	300	300

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
7-Feb	300	300	300	300	300	300
8-Feb	300	300	300	300	300	300
9-Feb	300	300	300	300	300	300
10-Feb	300	300	300	300	300	300
11-Feb	300	300	300	300	300	300
12-Feb	300	300	300	300	300	300
13-Feb	300	300	300	300	300	300
14-Feb	300	300	300	300	300	300
15-Feb	300	300	300	300	300	300
16-Feb	300	300	300	300	300	300
17-Feb	300	300	300	300	300	300
18-Feb	300	300	300	300	300	300
19-Feb	300	300	300	300	300	300
20-Feb	300	300	300	300	300	300
21-Feb	300	300	300	300	300	300
22-Feb	300	300	300	300	300	300
23-Feb	300	300	300	300	300	300
24-Feb	300	300	300	300	300	300
25-Feb	300	300	300	300	300	300
26-Feb	300	300	300	300	300	300
27-Feb	300	300	300	300	300	300
28-Feb	300	300	300	300	300	300
1-Mar	300	300	300	300	300	300
2-Mar	300	300	300	300	300	300
3-Mar	300	300	300	300	300	300
4-Mar	300	300	300	300	300	300
5-Mar	300	300	300	300	300	300
6-Mar	300	300	300	300	300	300
7-Mar	300	300	300	300	300	300
8-Mar	300	300	300	300	300	300
9-Mar	300	300	300	300	300	300
10-Mar	300	300	300	300	300	300
11-Mar	300	300	300	300	300	300
12-Mar	300	300	300	300	300	300
13-Mar	300	300	300	300	300	300
14-Mar	300	300	300	300	300	300
15-Mar	300	300	300	300	300	300
16-Mar	300	300	300	300	300	300
17-Mar	300	300	300	300	300	300
18-Mar	300	300	300	300	300	300
19-Mar	300	300	300	300	300	300
20-Mar	300	300	300	300	300	300
21-Mar	300	300	300	300	300	300

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
22-Mar	300	300	300	300	300	300
23-Mar	300	300	300	300	300	300
24-Mar	300	300	300	300	300	300
25-Mar	300	300	300	300	300	300
26-Mar	300	300	300	300	300	300
27-Mar	300	300	300	300	300	300
28-Mar	300	300	300	300	300	300
29-Mar	300	300	300	300	300	300
30-Mar	300	300	300	300	300	300
31-Mar	300	300	300	300	300	300
1-Apr	300	300	300	300	300	300
2-Apr	300	300	300	300	300	300
3-Apr	300	300	300	300	300	300
4-Apr	300	300	300	300	300	300
5-Apr	300	300	300	300	300	300
6-Apr	300	300	300	300	300	300
7-Apr	300	300	300	300	300	300
8-Apr	300	300	300	300	300	300
9-Apr	300	300	300	300	300	300
10-Apr	300	300	300	300	300	300
11-Apr	300	300	300	300	300	300
12-Apr	300	300	300	300	300	300
13-Apr	300	300	300	300	300	300
14-Apr	300	300	300	300	300	300
15-Apr	300	300	300	300	300	300
16-Apr	300	300	300	300	300	300
17-Apr	300	300	300	300	300	300
18-Apr	300	300	300	300	300	300
19-Apr	300	300	300	300	300	300
20-Apr	300	300	300	300	300	300
21-Apr	300	300	300	300	300	300
22-Apr	500	500	500	300	300	300
23-Apr	500	500	500	300	900	300
24-Apr	500	500	500	300	1,500	300
25-Apr	500	500	500	300	1,500	300
26-Apr	500	500	500	300	1,500	300
27-Apr	500	500	500	900	1,500	300
28-Apr	500	500	500	1,500	1,500	500
29-Apr	1,500	2,000	2,000	2,500	1,500	1300
30-Apr	1,500	2,000	2,500	3,500	1,500	2800
1-May	1,500	2,000	2,500	4,500	1,500	4300
2-May	1,500	2,000	2,500	4,500	1,500	6000
3-May	1,500	2,000	2,500	4,500	1,500	6000

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
4-May	1,500	2,000	2,500	4,500	1,500	6000
5-May	1,500	2,000	2,500	4,500	1,500	5700
6-May	2,000	2,500	4,000	4,306	1,500	5400
7-May	2,000	2,500	6,000	4,121	1,500	5076
8-May	2,000	2,500	6,000	3,943	1,500	4771
9-May	2,000	2,500	6,000	3,773	1,500	4485
10-May	2,000	2,500	6,000	3,611	1,500	4216
11-May	2,000	2,500	6,000	3,455	1,500	3963
12-May	2,000	2,500	5,784	3,307	1,500	3725
13-May	2,000	2,500	5,574	3,164	1,500	3502
14-May	2,000	3,000	5,373	3,028	1,500	3292
15-May	2,000	4,000	5,178	2,897	1,500	3094
16-May	2,000	6,000	4,991	2,773	1,500	2909
17-May	2,000	8,500	4,811	2,653	1,500	2734
18-May	2,000	8,500	4,637	2,539	1,500	2570
19-May	2,000	8,500	4,469	2,430	1,500	2416
20-May	3,000	8,500	4,307	2,325	1,500	2271
21-May	4,000	8,500	4,151	2,225	1,500	2175
22-May	6,000	7,666	4,001	2,129	1,500	2084
23-May	8,500	6,833	3,857	2,037	1,500	1997
24-May	11,000	6,000	3,717	1,950	1,500	1913
25-May	11,000	6,000	3,583	1,886	1,500	1832
26-May	11,000	6,000	3,453	1,785	1,500	1755
27-May	11,000	6,000	3,328	1,708	1,500	1682
28-May	11,000	6,000	3,208	1,635	1,500	1611
29-May	10,444	5,690	3,092	1,564	1,500	1543
30-May	9,889	5,322	2,980	1,497	1,497	1479
31-May	9,333	4,977	2,872	1,443	1,433	1416
1-Jun	8,778	4,655	2,768	1,371	1,371	1357
2-Jun	8,222	4,354	2,668	1,312	1,312	1300
3-Jun	7,667	4,072	2,572	1,255	1,255	1245
4-Jun	7,111	3,809	2,479	1,201	1,201	1193
5-Jun	6,556	3,562	2,389	1,150	1,150	1143
6-Jun	6,000	3,332	2,303	1,100	1,100	1095
7-Jun	6,000	3,116	2,219	1,053	1,053	1049
8-Jun	6,000	2,915	2,139	1,007	1,007	1005
9-Jun	6,000	2,726	2,062	964	964	963
10-Jun	6,000	2,550	2,000	922	922	922
11-Jun	5,664	2,385	2,000	883	883	884
12-Jun	5,359	2,230	2,000	845	845	846
13-Jun	5,071	2,086	2,000	808	808	811
14-Jun	4,798	2,000	2,000	774	774	777
15-Jun	4,540	2,000	2,000	740	740	744

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
16-Jun	4,295	2,000	2,000	708	708	713
17-Jun	4,064	2,000	2,000	678	678	683
18-Jun	3,845	2,000	2,000	649	649	654
19-Jun	3,638	2,000	2,000	621	621	627
20-Jun	3,443	2,000	2,000	594	594	601
21-Jun	3,257	2,000	2,000	568	568	575
22-Jun	3,082	2,000	2,000	544	544	551
23-Jun	2,916	2,000	2,000	521	521	528
24-Jun	2,759	2,000	2,000	498	498	506
25-Jun	2,611	2,000	2,000	477	477	450
26-Jun	2,470	2,000	2,000	450	450	450
27-Jun	2,337	2,000	2,000	450	450	450
28-Jun	2,212	2,000	2,000	450	450	450
29-Jun	2,093	2,000	2,000	450	450	450
30-Jun	2,000	2,000	2,000	450	450	450
1-Jul	2,000	2,000	2,000	450	450	450
2-Jul	2,000	2,000	2,000	450	450	450
3-Jul	2,000	2,000	2,000	450	450	450
4-Jul	2,000	2,000	2,000	450	450	450
5-Jul	2,000	2,000	2,000	450	450	450
6-Jul	2,000	2,000	2,000	450	450	450
7-Jul	2,000	2,000	2,000	450	450	450
8-Jul	2,000	2,000	2,000	450	450	450
9-Jul	2,000	2,000	2,000	450	450	450
10-Jul	1,700	1,700	1,700	450	450	450
11-Jul	1,500	1,500	1,500	450	450	450
12-Jul	1,350	1,350	1,350	450	450	450
13-Jul	1,200	1,200	1,200	450	450	450
14-Jul	1,050	1,050	1,050	450	450	450
15-Jul	950	950	950	450	450	450
16-Jul	850	850	850	450	450	450
17-Jul	750	750	750	450	450	450
18-Jul	675	675	675	450	450	450
19-Jul	600	600	600	450	450	450
20-Jul	550	550	550	450	450	450
21-Jul	500	500	500	450	450	450
22-Jul	450	450	450	450	450	450
23-Jul	450	450	450	450	450	450
24-Jul	450	450	450	450	450	450
25-Jul	450	450	450	450	450	450
26-Jul	450	450	450	450	450	450
27-Jul	450	450	450	450	450	450
28-Jul	450	450	450	450	450	450

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
29-Jul	450	450	450	450	450	450
30-Jul	450	450	450	450	450	450
31-Jul	450	450	450	450	450	450
1-Aug	450	450	450	450	450	450
2-Aug	450	450	450	450	450	450
3-Aug	450	450	450	450	450	450
4-Aug	450	450	450	450	450	450
5-Aug	450	450	450	450	450	450
6-Aug	450	450	450	450	450	450
7-Aug	450	450	450	450	450	450
8-Aug	450	450	450	450	450	450
9-Aug	450	450	450	450	450	450
10-Aug	450	450	450	450	450	450
11-Aug	450	450	450	450	450	450
12-Aug	450	450	450	450	450	450
13-Aug	450	450	450	450	450	450
14-Aug	450	450	450	450	450	450
15-Aug	450	450	450	450	450	450
16-Aug	450	450	450	450	450	450
17-Aug	450	450	450	450	450	450
18-Aug	450	450	450	450	450	450
19-Aug	450	450	450	450	450	450
20-Aug	450	450	450	450	450	450
21-Aug	450	450	450	450	450	450
22-Aug	450	450	450	450	450	450
23-Aug	450	450	450	450	450	450
24-Aug	450	450	450	450	450	450
25-Aug	450	450	450	450	450	450
26-Aug	450	450	450	450	450	450
27-Aug	450	450	450	450	450	450
28-Aug	450	450	450	450	450	450
29-Aug	450	450	450	450	450	450
30-Aug	450	450	450	450	450	450
31-Aug	450	450	450	450	450	450
1-Sep	450	450	450	450	450	450
2-Sep	450	450	450	450	450	450
3-Sep	450	450	450	450	450	450
4-Sep	450	450	450	450	450	450
5-Sep	450	450	450	450	450	450
6-Sep	450	450	450	450	450	450
7-Sep	450	450	450	450	450	450
8-Sep	450	450	450	450	450	450
9-Sep	450	450	450	450	450	450

ROD Flow Release Schedule (at Lewiston Dam)

Date	Extremely Wet (cfs)	Wet (cfs)	Normal (cfs)	Dry (cfs)	Critically Dry (cfs)	2002 release schedule
10-Sep	450	450	450	450	450	450
11-Sep	450	450	450	450	450	450
12-Sep	450	450	450	450	450	450
13-Sep	450	450	450	450	450	450
14-Sep	450	450	450	450	450	450
15-Sep	450	450	450	450	450	450
16-Sep	450	450	450	450	450	450
17-Sep	450	450	450	450	450	450
18-Sep	450	450	450	450	450	450
19-Sep	450	450	450	450	450	450
20-Sep	450	450	450	450	450	450
21-Sep	450	450	450	450	450	450
22-Sep	450	450	450	450	450	450
23-Sep	450	450	450	450	450	450
24-Sep	450	450	450	450	450	450
25-Sep	450	450	450	450	450	450
26-Sep	450	450	450	450	450	450
27-Sep	450	450	450	450	450	450
28-Sep	450	450	450	450	450	450
29-Sep	450	450	450	450	450	450
30-Sep	450	450	450	450	450	450